

CLAIMS

1. A method for producing a composition having a fragrance that substantially mimics a fragrance of a plant, the method comprising the steps of:

(a) identifying a plurality of different chemical entities emitted from a plant, wherein the plurality of different chemical entities combine to form the fragrance of the plant;

(b) determining a concentration of the plurality of different chemical entities emitted from the plant, the plurality of different chemical entities including at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures;

(c) providing a stock of the first chemical entity and a stock of the second chemical entity; and

(d) mixing together aliquots of the stock of the first chemical entity and the stock of the second chemical entity to form a mixture wherein a ratio of the concentration of the first chemical entity to second chemical entity is substantially the same as that emitted from the plant.

2. The method of Claim 1, wherein the plant is selected from rose, petunia, lilac, lavender, gardenia, orchid, snapdragon, cyclamen, lily, hyacinth, carnation, citronellia, mint, lemon, lime, orange, and pineapple.

3. The method of Claim 2, wherein the plant is a rose.

4. The method of Claim 2, wherein the plant is a petunia.

5. The method of Claim 1, wherein the first chemical entity and the second chemical entity each comprise a compound selected from compounds listed in Table 1.

6. The method of Claim 1, where the plurality of different chemical entities comprises at least three chemical entities selected from compounds listed in Table 1.

7. A composition for enhancing the fragrance of a plant, the composition comprising at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to the second chemical entity is substantially the same as that emitted from the plant.
8. The composition of Claim 7, wherein the composition comprises at least three chemical entities selected from compounds listed in Table 1.
9. The composition of Claim 7, wherein the composition has a fragrance that substantially mimics a fragrance of a rose and comprises 2-phenylethanol and beta-ionone.
10. The composition of Claim 9, wherein the 2-phenylethanol and beta-ionone are present at a molar ratio of about 2200:1.
11. The composition of Claim 7, wherein the composition has a fragrance that substantially mimics a fragrance of a petunia, further wherein the composition comprises benzaldehyde, phenylacetaldehyde, methyl benzoate, 2-phenylethanol, caryophyllene, and benzyl benzoate.
12. The composition of Claim 7, further comprising a diluent.
13. The composition of Claim 12, wherein the diluent comprises water.
14. The composition of Claim 12, wherein the diluent is selected from glycerol, HPBCD, DMCD, and combinations thereof.
15. The composition of Claim 7, wherein the composition is encapsulated.
16. A method for enhancing the fragrance of an article, the method comprising the step of:
contacting the article with a composition having a scent that substantially mimics a natural fragrance of a plant.

17. The method of Claim 16, wherein the composition comprises at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to second chemical entity is substantially the same as that emitted from the plant.

18. The method of Claim 17, wherein the first chemical entity and the second chemical entity each comprise a compound selected from compounds listed in Table 1.

19. The method of Claim 18, where the plurality of different chemical entities comprises at least three chemical entities selected from compounds listed in Table 1.

20. The method of Claim 16, wherein the plant is selected from rose, petunia, lilac, lavender, gardenia, orchid, snapdragon, cyclamen, lily, hyacinth, carnation, citronellia, mint, lemon, lime, orange, and pineapple.

21. The method of Claim 16, wherein the article is selected from a plant, a fresh flower, a dried flower, an artificial flower, a vase, a planter, a paper product, linens, and potpourri.

22. An article contacted with a composition having a scent that substantially mimics a natural fragrance of a plant.

23. The article of Claim 22, wherein the composition comprises at least two different chemical entities including at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to second chemical entity is substantially the same as that emitted from the plant.

24. The article of Claim 23, wherein the first chemical entity and the second chemical entity each comprise a compound selected from compounds listed in Table 1.

25. The article of Claim 24, where the composition comprises at least three chemical entities selected from compounds listed in Table 1.

26. The article of Claim 22, wherein the plant is selected from rose, petunia, lilac, lavender, gardenia, orchid, snapdragon, cyclamen, lily, hyacinth, carnation, citronellia, mint, lemon, lime, orange, and pineapple.

27. The article of Claim 22, wherein the article is selected from a plant, a fresh flower, a dried flower, an artificial flower, a vase, a planter, a paper product, linens, and potpourri.